Patent Claims

1.   Fuel system for a motor vehicle with a fuel container
from which a fuel pump transports fuel via fuel pipelines from a
system input location in the fuel container via a fuel filter
towards a motor, wherein a deposition tank (9) is formed into a
housing (7) of the fuel filter (6) under a filter material (8)
provided in the housing (7) into which dirt (10) filtered out of
the fuel (4) is deposited and a pressure accumulator (15) is
installed in the fuel system (1) which after the engine (18) is
switched off, the fuel (4) stored in the pressure accumulator
(15) rinses the fuel filter (6).

2.   Fuel system according to Claim 1 wherein a portion of
the fuel (4) can be transported via the fuel pump (2) into
pressure accumulator (15) when motor (18) is running and after
motor engine (18) has been switched off the fuel (4) stored in
the pressure accumulator (15) can flow through the fuel filter
(6) in such a way that dirt (8) deposited in the filter material
(10) is removed.

3. Fuel system according to claim 1 or 2, wherein a non-
return valve (16) is provided in a fuel pipeline (13) leading to
engine (18) after a branch point (20) at which a fuel pipeline
(14) leading to pressure accumulator (15) is located.

4.   Fuel system according to one of the aforementioned
claims wherein a pressure regulator (17) is provided at a non-
return valve (16) in the direction of engine (18).

5.   Fuel system according to one of the aforementioned
claims, wherein the fuel filter (6) is connected to the fuel pump

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(2) on the pressure or the suction side.

6.   Fuel system according to one of the aforementioned claims, wherein a delay valve is installed upstream of pressure accumulator (15), so that after starting of engine (18) the pressure accumulator (15) is filled with fuel (4) subject to a time delay.

7.   Fuel system according to one of the aforementioned claims, wherein in housing (7) guide vanes or similar structures are provided which prevent fuel (4) flowing through filter material (8) from touching or disturbing the dirt (10) collected in deposition tank (9).

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